



MI-CW3011

Michigan Crop Weather

July 25, 2011

Extreme Heat

Six days were suitable for fieldwork during the week ended July 24, according to the USDA, NASS, Michigan Field Office. Precipitation ranged from 0.19 inches to 0.32 inches in the Upper Peninsula and 0.11 to 0.78 inches in the Lower Peninsula. Temperatures were 6 to 7 degrees above normal in the Upper Peninsula and 7 to 9 degrees above normal in the Lower Peninsula. Extreme heat aided in advancing crop development, but crops were still in need of moisture. Scattered showers in the week were a temporary relief to crops in some areas. Field activities included spraying insecticide, harvest of winter wheat, oats, tart cherries, blueberries, peaches, and second cutting of hay.

Field Crops

Several days of hot, dry weather dried soils considerably. Spotty thunderstorms late in the week helped mitigate dry conditions in some areas. **Corn** began silking as it continued to roll from moisture stress. **Soybeans** remain short; rows have yet to develop a full canopy in some fields resulting in soil drying out more quickly. Humidity caused a slowdown in **wheat** and **oat** harvest in the Thumb. **Wheat** harvest was wrapping up in southern counties with excellent quality. Straw and **alfalfa** baling was ongoing. Irrigated **potatoes** were in full bloom in the southwest. Spraying for cercospora continued in **sugarbeets**.

Fruit

The hot, dry weather has brought fruit development close to normal. Dry soils, however, have caused some heat-stress in trees and small fruit. Cherry fruit flies and apple maggots have emerged. The **tart cherry** harvest was completed in the southwest and continued in the west central. The harvest of mid-season **blueberries** like Jersey and Nelson began. Yields in the Grand Rapids area have been lower than expected, but berry size and quality have been excellent. **Apples** were 2 to 2.25 inches in the south. Japanese **plum** harvest began in the southwest. Harvest of early peaches such as PF 1 and Harbinger started. **Raspberry** harvest continued; crop size and quality in the Grand Rapids area were good.

Vegetables

Well above average temperatures were experienced this past week. Rains came as scattered thunderstorms so irrigation was running where available. Irrigated crops looked better than those that were not irrigated. **Sweet corn** developed quickly. Many fields approached harvest while some fields in the southwest were being harvested. **Celery** transplanting was complete. Harvest continued. Aster leafhopper counts varied from modest to significant. **Cabbage** continued to be harvested and was being sold on the wholesale market. In the Grand Rapids area, cabbage transplanting continued. **Carrots** continued to develop. Growers monitored for aster leafhopper, alternaria, and cercospora. **Tomatoes** were being harvested in the southwest. **Peppers** continued to develop and approach harvest. The crop appears to be healthy. **Cucumber**, **zucchini**, and **summer squash** harvest continued. Downy mildew has been confirmed in the southwest. **Cantaloupe** and **watermelon** were beginning to assume mature color. **Asparagus** ferns have developed rapidly in full-season harvested fields. Growers have struggled to apply fungicides on these fields. **Cucumbers for pickles** have been planted, and harvest began. There were reports of modest pest pressure in the **onion** crop. **Snap beans** continued to be harvested.

Soil moisture for week ending 07/24/11

Stratum	Very short	Short	Adequate	Surplus
	Percent	Percent	Percent	Percent
Topsoil	31	41	28	0
Subsoil	18	42	39	1

Crop condition for week ending 07/24/11

Crop	Very poor	Poor	Fair	Good	Excellent
	Percent	Percent	Percent	Percent	Percent
All Hay	2	8	30	48	12
Barley	0	4	51	42	3
Corn	5	14	32	37	12
Dry beans	7	11	36	36	10
Oats	1	7	36	50	6
Pasture	4	17	38	34	7
Soybeans	5	13	35	39	8

Crop progress for week ending 07/24/11

Crop	This week	Last week	Last year	5-year average
	Percent	Percent	Percent	Percent
All hay, second cutting	62	41	58	61
Blueberries, harvested	45	20	46	36
Corn, silked	45	13	80	56
Dry beans, blooming	37	8	55	36
Oats, turning yellow	66	30	92	75
Oats, harvested	5	1	22	12
Peaches, harvested	8	1	17	10
Soybeans, blooming	50	28	74	67
Tart cherries, harvested	49	16	93	58
Winter wheat, harvested	67	35	95	73

Michigan Weather Summary for Week Ending 07/24/11 ¹												
Station	Temperature			Cumulative growing degree days ²			Precipitation					
	Maximum	Minimum	Departure from normal	2011	2010	Normal	This week	Last two weeks	Last four weeks	Since April 1	Normal	
											Since April 1	For month
Ironwood	95	55		1,164	1,281		0.39	0.60	1.18	10.99		
Marquette	94	55		1,088	1,242		0.32	0.54	0.72	12.00		
Stephenson	96	58		1,225	1,473		0.05	0.52	0.59	10.68		
Western UP	96	52	6	1,121	1,289	1,064	0.32	0.52	1.02	10.64	11.88	3.42
Cornell	89	57		1,141	1,388		0.16	0.98	1.39	10.43		
Sault St Marie	87	58		1,099	1,286		0.02	2.21	2.82	14.69		
Eastern UP	93	55	7	1,059	1,254	892	0.19	1.06	1.69	12.68	11.05	3.19
Beulah	92	65		1,370	1,528		0.72	1.02	1.69	16.97		
Lake City	92	62		1,325	1,487		0.91	1.67	2.06	15.01		
Old Mission	92	63		1,242	1,469		0.87	0.88	0.90	11.56		
Pellston	92	54		1,226	1,422		0.04	0.73	1.05	13.30		
Northwest	94	54	8	1,257	1,436	1,215	0.51	0.83	1.09	13.40	10.72	2.99
Alpena	95	61		1,202	1,415		0.34	1.08	1.31	15.51		
Houghton Lake	93	62		1,396	1,552		1.70	1.97	2.85	14.20		
Rogers City	95	64		1,084	1,320		0.10	0.64	0.64	12.22		
Northeast	95	54	7	1,254	1,461	1,171	0.75	1.21	1.90	14.11	10.65	3.18
Fremont	95	66		1,491	1,682		0.25	0.87	1.56	14.05		
Hart	91	67		1,395	1,594		0.28	1.36	2.57	11.68		
Muskegon	94	69		1,614	1,792		0.50	1.14	1.99	12.31		
West Central	95	59	8	1,453	1,661	1,339	0.35	1.14	2.18	13.44	10.69	2.54
Alma	98	67		1,476	1,737		0.05	0.19	0.37	14.58		
Big Rapids	94	65		1,392	1,624		0.13	0.23	0.49	16.40		
Vestaburg	0	0		0	0		0.00	0.00	0.00	0.00		
Central	98	63	8	1,455	1,676	1,402	0.11	0.21	0.39	12.99	11.61	2.97
Bad Axe	96	68		1,395	1,623		1.46	1.60	2.77	15.97		
Pigeon	93	64		1,401	1,607		0.36	0.36	1.25	12.45		
Port Sanilac	NA	NA					0.00	0.00	0.00	0.00		
Saginaw	97	67		1,589	1,820		1.13	1.24	1.34	15.73		
Standish	96	65		1,342	1,568		0.24	0.66	2.07	15.30		
East Central	97	64	7	1,392	1,654	1,387	0.56	0.72	1.38	14.88	10.62	2.92
Fennville	93	68		1,515	1,707		1.53	2.56	3.28	15.94		
Grand Rapids	97	70		1,700	1,901		0.49	1.44	2.03	17.11		
Holland	91	70		2,210	1,877		0.69	1.06	2.87	17.91		
Paw Paw	0	0		0	0		0.00	0.00	0.00	0.00		
South Bend, IN	99	72		1,794	1,934		0.21	1.28	1.97	21.83		
Watervliet	94	69		1,646	1,834		1.21	2.31	3.07	16.98		
Southwest	99	59	7	1,671	1,831	1,510	0.78	1.65	2.70	17.25	12.48	3.09
Belding	95	63		1,488	1,692		0.22	0.57	0.79	14.12		
Coldwater	95	69		1,701	1,889		0.08	0.90	1.04	12.17		
Lansing	96	67		1,612	1,850		0.24	0.95	0.95	15.50		
South Central	97	63	8	1,564	1,790	1,499	0.49	0.99	1.14	15.20	12.22	3.22
Detroit	100	71		1,797	1,987		1.05	1.67	3.23	15.15		
Flint	99	64		1,647	1,839		0.27	0.43	0.50	16.14		
Romeo	97	67		1,559	1,751		0.18	0.29	0.97	14.90		
Tipton	97	66		1,650	1,814		0.33	1.08	1.23	15.06		
Toledo, OH	99	68		1,666	2,018		0.49	0.92	1.22	13.59		
Southeast	103	61	9	1,640	1,877	1,474	0.43	0.90	1.23	13.71	11.91	3.11

¹ Issued by the USDA, NASS, Michigan Field Office in cooperation with the U.S. Department of Commerce, Michigan State University Cooperative Extension Service, Agricultural Meteorologist, Department of Geography, and Crop Advisory Team ALERTS.

² Growing degree days (GDD) is the sum of daily mean temperatures minus 50 per day, 86 maximum and 50 minimum. The GDD is accumulative from April 1.